

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	0	(cytochrome adj1 b)near5 (phylogeny)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/11/17 14:35
L6	0	(cytochrome adj1 b)near5 variation	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/11/17 14:31
L7	509	(cytochrome adj1 b)	US-PGPUB; USPAT; DERWENT	OR	ON	2004/11/17 14:31
L8	14	l7 and (species adj2 variation)	US-PGPUB; USPAT; DERWENT	OR	ON	2004/11/17 14:32
L9	0	(cytochrome adj1 b)same (phylogeny adj2 animals)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/11/17 14:34
L10	0	(cytochrome adj1 b)same (phylogeny)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/11/17 14:35
L11	0	(cytochrome adj1 b)near5 (phylogeny)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/11/17 14:35

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1656SXC

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JUL 12 BEILSTEIN enhanced with new display and select options,
resulting in a closer connection to BABS
NEWS 4 AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display
fields
NEWS 5 AUG 02 Caplus and CA patent records enhanced with European and Japan
Patent Office Classifications
NEWS 6 AUG 02 The Analysis Edition of STN Express with Discover!
(Version 7.01 for Windows) now available
NEWS 7 AUG 27 BIOCOMMERCE: Changes and enhancements to content coverage
NEWS 8 AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal
status data from INPADOC
NEWS 9 SEP 01 INPADOC: New family current-awareness alert (SDI) available
NEWS 10 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 11 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 12 SEP 27 STANDARDS will no longer be available on STN
NEWS 13 SEP 27 SWETSCAN will no longer be available on STN
NEWS 14 OCT 28 KOREAPAT now available on STN

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN Customer
agreement. Please note that this agreement limits use to scientific
research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:36:33 ON 17 NOV 2004

=> FIL BIOSIS EMBASE MEDLINE LIFESCI CAPLUS
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FILE 'BIOSIS' ENTERED AT 14:36:42 ON 17 NOV 2004

Copyright (c) 2004 The Thomson Corporation.

FILE 'EMBASE' ENTERED AT 14:36:42 ON 17 NOV 2004
COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.

FILE 'MEDLINE' ENTERED AT 14:36:42 ON 17 NOV 2004

FILE 'LIFESCI' ENTERED AT 14:36:42 ON 17 NOV 2004
COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)

FILE 'CAPLUS' ENTERED AT 14:36:42 ON 17 NOV 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> s cytochrome (1a) b (s) mammalian (2a) species
L1 19 CYTOCHROME (1A) B (S) MAMMALIAN (2A) SPECIES

=> dup rem l1
PROCESSING COMPLETED FOR L1
L2 12 DUP REM L1 (7 DUPLICATES REMOVED)

=> d l2 1-12

L2 ANSWER 1 OF 12 LIFESCI COPYRIGHT 2004 CSA on STN
AN 2004:60234 LIFESCI
TI Identification of carnivore feces by local peoples and molecular analyses
AU Zuercher, G.L.; Gipson, P.S.; Stewart, G.C.
CS Department of Natural and Applied Sciences, University of Dubuque, 2000
University Avenue, Dubuque, IA 52001, USA; E-mail: GZuerche@dbq.edu
SO Wildlife Society Bulletin [Wildl. Soc. Bull.], (20030000) vol. 31, no. 4,
pp. 961-970.
ISSN: 0091-7648.
DT Journal
FS D
LA English
SL English

L2 ANSWER 2 OF 12 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN DUPLICATE 1
AN 2002398736 EMBASE
TI A molecular phylogeny of malarial parasites recovered from cytochrome b
gene sequences.
AU Perkins S.L.; Schall J.J.
CS S.L. Perkins, Department of Environmental, University of Colorado,
Boulder, CO 80309, United States. susan.perkins@colorado.edu
SO Journal of Parasitology, (2002) 88/5 (972-978).
Refs: 35
ISSN: 0022-3395 CODEN: JOPAA2
CY United States
DT Journal; Article
FS 004 Microbiology
LA English
SL English

L2 ANSWER 3 OF 12 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN DUPLICATE 2
AN 1999379467 EMBASE
TI Cytochrome b evolution in birds and mammals: An evaluation of the avian
constraint hypothesis.
AU Stanley S.E.; Harrison R.G.
CS S.E. Stanley, Department of Ornithology, American Museum of Natural
History, Central Park West at 79th Street, New York, NY 10024, United
States. scoob@amnh.org

SO Molecular Biology and Evolution, (1999) 16/11 (1575-1585).
 Refs: 68
 ISSN: 0737-4038 CODEN: MBEVEO
 CY United States
 DT Journal; Article
 FS 021 Developmental Biology and Teratology
 LA English
 SL English

L2 ANSWER 4 OF 12 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN
 AN 1998:479253 BIOSIS
 DN PREV199800479253
 TI Accelerated evaluation of cytochrome b in simian primates: Adaptive
 evolution in concert with other mitochondrial proteins?
 AU Andrews, T. Daniel [Reprint author]; Jermin, Lars S.; Easteal, Simon
 CS Human Genet. Group, John Curtin Sch. Med. Res., Australian Natl. Univ.,
 Canberra, ACT 0200, Australia
 SO Journal of Molecular Evolution, (Sept., 1998) Vol. 47, No. 3, pp. 249-257.
 print.
 CODEN: JMEVAU. ISSN: 0022-2844.
 DT Article
 LA English
 OS Genbank-AB011077; EMBL-AB011077; DDBJ-AB011077
 ED Entered STN: 5 Nov 1998
 Last Updated on STN: 5 Nov 1998

L2 ANSWER 5 OF 12 LIFESCI COPYRIGHT 2004 CSA on STN
 AN 1998:54311 LIFESCI
 TI Pinniped penises in trade: A molecular-genetic investigation
 AU Malik, S.; Wilson, P.J.; Smith, R.J.*; Lavigne, D.M.; White, B.N.
 CS Dep. Zool., Univ. Guelph, Guelph, Ontario N1G 2W1, Canada
 SO CONSERV. BIOL., (1997) vol. 11, no. 6, pp. 1365-1374.
 ISSN: 0888-8892.
 DT Journal
 FS D; G
 LA English
 SL English; Spanish

L2 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1996:213626 CAPLUS
 DN 124:308682
 TI Amplification of the conserved cytochrome b locus as a versatile internal
 control for PCR analysis in animals
 AU Ron, M.; Verner, N.; Feldmesser, E.; Hochman, D.; Band, M.; Shani, M.
 CS The Volcani Center, Inst. Animal Science, Bet-Dagan, Israel
 SO BioTechniques (1996), 20(4), 604, 606, 608
 CODEN: BTNQDO; ISSN: 0736-6205
 PB Eaton
 DT Journal
 LA English

L2 ANSWER 7 OF 12 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
 on STN
 AN 94045703 EMBASE
 DN 1994045703
 TI Speciation in the Artemia genus: Mitochondrial DNA analysis of bisexual
 and parthenogenetic brine shrimps.
 AU Perez M.L.; Valverde J.R.; Batuecas B.; Amat F.; Marco R.; Garesse R.
 CS Departamento de Bioquímica, Inst. Investigaciones Biomed. CSIC, La
 Universidad Autónoma de Madrid, c/Arzobispo Morcillo 4, Madrid 28029, Spain
 SO Journal of Molecular Evolution, (1994) 38/2 (156-168).
 ISSN: 0022-2844 CODEN: JMEVAU
 CY United States
 DT Journal; Article

FS 021 Developmental Biology and Teratology
 LA English
 SL English

L2 ANSWER 8 OF 12 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
 STN
 AN 1994:542805 BIOSIS
 DN PREV199598002353
 TI Nucleotide sequence variation of cytochrome b genes in three species of
 weasels *Mustela itatsi*, *Mustela sibirica*, and *Mustela nivalis*, detected by
 improved PCR product-direct sequencing technique.
 AU Masuda, Ryuichi; Yoshida, Michihiro C.
 CS Chromosome Res. Unit, Fac. Sci., Div. Biol. Sci., Graduate Sch.
 Environmental Earth Sci., Hokkaido Univ., Kita-ku, Sapporo 060, Japan
 SO Journal of the Mammalogical Society of Japan, (1994) Vol. 19, No. 1, pp.
 33-43.
 ISSN: 0914-1855.
 DT Article
 LA English
 OS DDBJ-D26130; DDBJ-D26131; DDBJ-D26132; DDBJ-D26133; EMBL-D26130;
 EMBL-D26131; EMBL-D26132; EMBL-D26133
 ED Entered STN: 22 Dec 1994
 Last Updated on STN: 22 Dec 1994

L2 ANSWER 9 OF 12 LIFESCI COPYRIGHT 2004 CSA on STN
 AN 91:36511 LIFESCI
 TI Metabolism of (super(14)C)4-chlorobiphenyl by hepatic microsomes isolated
 from razorbills, pigeons and rats.
 AU Borlakoglu, J.T.; Wilkins, J.P.G.; Quick, M.P.; Walker, C.H.; Dils, R.R.
 CS Merrell Dow Res. Inst., Dep. Drug Metab. and Pharmacokinet., Strasbourg
 Res. Cent., 16 Rue d'Ankara, B.P. 447/R9, 67009 Strasbourg Cedex, France
 SO COMP. BIOCHEM. PHYSIOL., C., (1991) vol. 99C, no. 3, pp. 287-291.
 DT Journal
 FS X
 LA English
 SL English

L2 ANSWER 10 OF 12 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
 on STN DUPLICATE 4
 AN 90347347 EMBASE
 DN 1990347347
 TI Mitochondrial DNA structure and expression in specialized subtypes of
 mammalian striated muscle.
 AU Annex B.H.; Williams R.S.
 CS Department of Microbiology, Duke University, Medical Center, Durham, NC
 27710, United States
 SO Molecular and Cellular Biology, (1990) 10/11 (5671-5678).
 ISSN: 0270-7306 CODEN: MCEBD4
 CY United States
 DT Journal; Article
 FS 029 Clinical Biochemistry
 LA English
 SL English

L2 ANSWER 11 OF 12 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
 on STN
 AN 85120424 EMBASE
 DN 1985120424
 TI Phagocytosis of brushite crystals by pig neutrophils.
 AU Higson F.K.; Jones O.T.G.
 CS Department of Biochemistry, Medical School, University of Bristol, Bristol
 BS8 1TD, United Kingdom
 SO Annals of the Rheumatic Diseases, (1985) 44/1 (54-60).
 CODEN: ARDIAO
 CY United Kingdom

DT Journal
 FS 031 Arthritis and Rheumatism
 026 Immunology, Serology and Transplantation
 025 Hematology
 LA English

L2 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1984:419228 CAPLUS
 DN 101:19228
 TI A new method for calculating evolutionary substitution rates
 AU Lanave, Cecilia; Preparata, Giuliano; Saccone, Cecilia; Serio, Gabriella
 CS Ist. Chim. Biol., Inst. Bari, Bari, 70126, Italy
 SO Journal of Molecular Evolution (1984), 20(1), 86-93
 CODEN: JMEVAU; ISSN: 0022-2844
 DT Journal
 LA English

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	34.01	34.22

FILE 'STNGUIDE' ENTERED AT 14:38:34 ON 17 NOV 2004
 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
 COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
 AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Nov 12, 2004 (20041112/UP).

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.48	34.70

FILE 'REGISTRY' ENTERED AT 14:43:35 ON 17 NOV 2004
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 16 NOV 2004 HIGHEST RN 782447-68-1
 DICTIONARY FILE UPDATES: 16 NOV 2004 HIGHEST RN 782447-68-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s taccatgaggacaaatatcattctg/sqsn
 L3 1818 TACCATGAGGACAAATATCATTCTG/SQSN

=> l3 and animal

L3 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l3 and animal

455 ANIMAL

L4 0 L3 AND ANIMAL

=> s l4 and PCR

1933 PCR

4 PCRS

1937 PCR

(PCR OR PCRS)

L5 0 L4 AND PCR

=> s cctcctagtttgtagggattgatcg/sqsn

L6 2 CCTCCTAGTTTGTTAGGGATTGATCG/SQSN

=> d l6 1-2

L6 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN

RN 532771-66-7 REGISTRY

CN DNA, d(C-C-T-C-C-T-A-G-T-T-T-G-T-T-A-G-G-G-A-T-T-G-A-T-C-G) (9CI) (CA
INDEX NAME)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); PRP (Properties); USES (Uses)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN

RN 493485-17-9 REGISTRY

CN GenBank AX565562 (9CI) (CA INDEX NAME)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR GenBank

LC STN Files: GENBANK

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE
ENTRY
68.34

TOTAL
SESSION
103.04

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 14:47:32 ON 17 NOV 2004